

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Rebecca Nelson	PERMIT NUMBER:	P526P-18-01895
ORGANIZATION:	Dirzo Lab, Stanford University	APPLICATION NUMBER:	P526-180406-019
ADDRESS:	393 Serra Mall Stanford, CA 94305	FACILITY NUMBER:	N/A
MAILING ADDRESS:	P. O. Box 15851, 531 Lasuen Mall Stanford, CA 94309	HAND CARRY:	Yes
PHONE:	8478305126	DATE ISSUED:	05/14/2018
FAX:		DATE AMENDED:	04/17/2019
DESTINATION:	327 Campus drive, Bass Biology Bldg., room 203, Stanford, CA 94305	EXPIRES:	05/14/2021
RELEASE:	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Helicoverpa zea	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	
Heliothis subflexa	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	
Heliothis virescens	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	
Manduca sexta	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	
Spodoptera exigua	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	
Spodoptera frugiperda	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	
Trichoplusia ni	Any	Research - Lab	Continental U.S.	Originally Collected from Within the Continental U.S.	

PERMIT GUIDANCE

Permit Number P526P-18-01895

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

Carlos A. Blanco
Carlos Blanco

DATE

04/17/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS

This permit authorizes Rebecca Nelson, Dirzo Lab, Stanford University, 393 Serra Mall, Stanford, CA, to move all life stages of the regulated pests described above from the continental United States for laboratory research at 327 Campus Drive, Stanford University, Bass Biology Bldg., room 203, Stanford, CA . All these conditions must be followed:

1. The regulated organisms must be shipped in escape proof containers held within a secure box.
2. Interstate movement of *Helicoverpa zea*, *Heliothis virescens*, and *Spodoptera frugiperda* known to be, or putatively resistant to *Bacillus thuringiensis* requires a separate permit.
3. This permit only covers the regulated pests described above. Work with plant diseases that these insectss may transmit originating from outside of the destination state requires a separate permit.
4. This permit is not valid for resale or redistribution of the regulated pests described above. Additional movement within the destination state may require additional approval from State regulatory officials and from USDA-APHIS Plant Protection and Quarantine.

Interstate distribution requires a separate PPQ 526 permit. For example, anyone requesting to receive these organisms from the permittee must possess a valid PPQ 526 permit to receive them.

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5. This permit authorizes the interstate movement from colonies that originated in the continental United States. Colonies that originated from foreign countries, from US territories, or Hawaii requires a separate permit.
6. All persons working with the regulated pests described above must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

7. The permit holder must:
 - maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
 - not assign or transfer this permit to other persons without APHIS PPQ authorization,
 - maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
 - notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
 - notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
 - adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
 - notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
 - destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

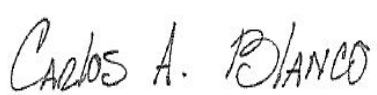
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<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <div style="text-align: center;">  Carlos Blanco </div>	<p>DATE</p> <p style="text-align: center;">04/17/2019</p>

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Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

8. • This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
- The permit number or a copy of the permit must accompany the shipment.
- You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
- You are legally responsible for complying with all permit requirements and permit conditions.
- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

END OF PERMIT CONDITIONS

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